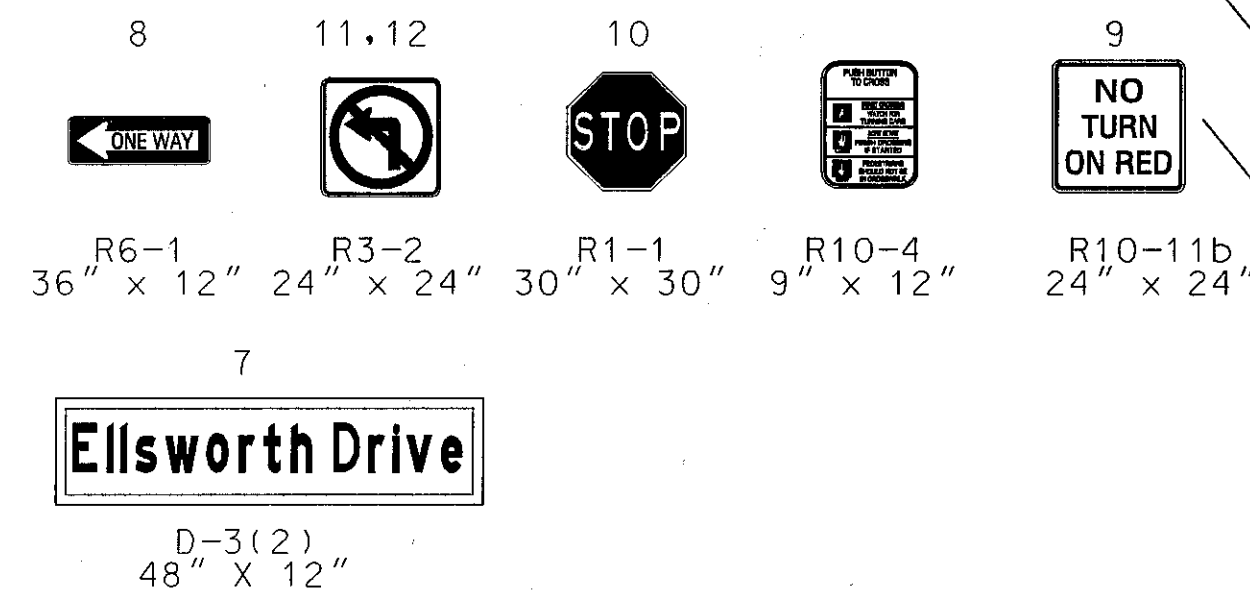


GEORGIA AVENUE IS ASSUMED TO RUN  
IN A NORTH-SOUTH DIRECTION

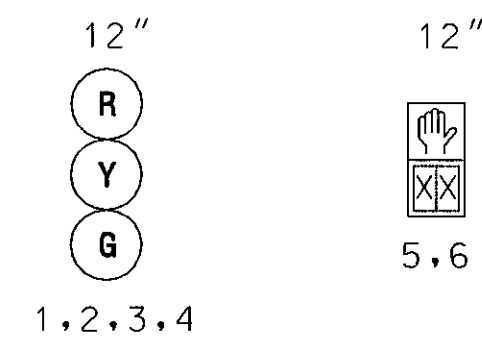
#### PROPOSED SIGNS



#### CONSTRUCTION DETAILS

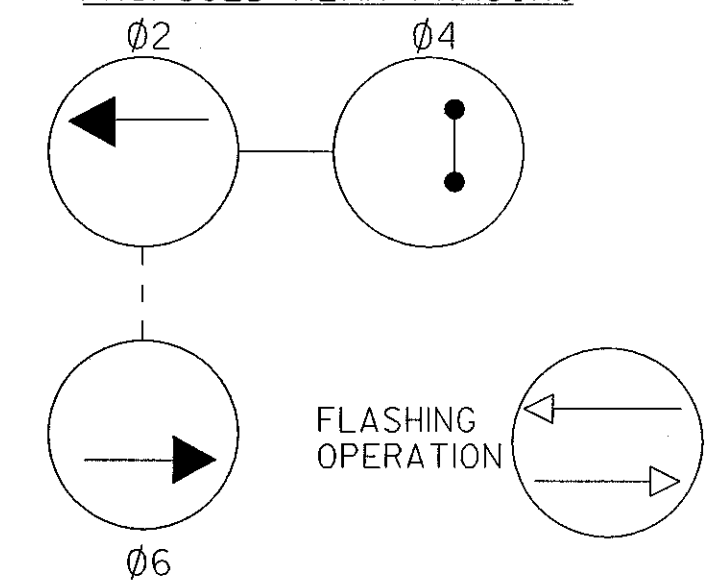
- Remove existing street light pole and foundation. Install a 27-foot steel pole with mast arm, traffic signal heads, one pedestrian countdown head and signs. (Note: 2-3 in. PVC schedule 80- conduit bends and four 1/2 in. x 60 in anchor bolts). Mast arm length to be 38'. Construct a 4 1/2" x 10' tall tenon for a custom luminaire. Pole to be painted Tigar Drylack green RAL 6009.
- Remove existing street light pole and foundation. Install a 27-foot steel pole with mast arm, traffic signal heads. (Note: 2-3 in. PVC schedule 80- conduit bends and four 1/2 in. x 60 in anchor bolts). Mast arm length to be 38'. Construct a 4 1/2" x 10' tall tenon for a custom luminaire. Pole to be painted Tigar Drylack green RAL 6009.
- Install 5-foot pedestrian post and 3 in. conduit elbow with Montgomery County APS assembly. (Contact Bobby Gonzales, Montgomery County Department of Public Works, at (240) 777-8761). Post to be painted Tigar Drylack green RAL 6009.
- Install 14' breakaway pedestal pole with one pedestrian countdown head, concrete foundation and ground rod. (Note: 1-2" PVC schedule 80 conduit bend). Install Montgomery County APS assembly. (Contact Bobby Gonzales, Montgomery County Department of Public Works, at (240) 777-8761). Pedestal to be painted Tigar Drylack green RAL 6009.
- Install 24 in. (white) thermoplastic, heat-applied stopline pavement markings as shown.
- Install 12 in. (white) thermoplastic, heat-applied crosswalk pavement markings as shown.
- Install 2-4 in. schedule 80 PVC electrical conduit (bored).
- Install (2) 4 in. schedule 80 PVC electrical conduit (trenched).
- Install handhole. (Do not install over any utilities)
- Install 2 in. schedule 80 PVC electrical conduit (trenched) (for electrical service). Contractor to coordinate with PEPCO for service.
- Install 3 in. schedule 80 PVC electrical conduit (trenched).
- Install NEMA size "5" Base Mounted Cabinet and Controller with all necessary equipment. (Note: Two - 4 in. and two - 2 in. PVC schedule 80 conduit bends). Pull all proposed electrical cables into controller cabinet and properly tag/label each cable. All internal wiring shall be conducted by Montgomery county forces.
- Install 3 in. schedule 80 PVC conduit and interconnect to Colesville Road (approx 450'). Install one handhole approximately halfway between Ellsworth and Colesville Road.
- Install 3 in. schedule 80 PVC conduit interconnect to Wayne Ave (approx 450'). Install one handhole approximately halfway between Ellsworth and Wayne Ave. Install in same trench as street light conduit (coordinate installation with street light plans by Richter & Associates)
- Install 2-4 in. schedule 80 PVC electrical conduit (slotted).
- Eradicate existing pavement markings.
- Install 3 in. schedule 80 PVC electrical conduit for future use.

#### PROPOSED BLACK-FACED SIGNAL HEADS



LED  
Pedestrian  
Countdown Head

#### PROPOSED NEMA PHASING



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY  
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

#### GENERAL NOTES:

- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying Miss Utility prior to construction so that utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal equipment will occur, the Contractor shall notify the project Engineer immediately so that the conflict may be resolved.
- All signal heads and pedestrian heads shall be black faced instead of yellow..
- Traffic poles, mast arms, luminaire, pedestrian posts and 5' VPS posts to be painted to match street light poles. Paint color to be Tigar Drylack Green RAL6009.
- Contact Montgomery County TMC 72 hours prior to any digging to mark existing underground signal equipment (240)777-2100.
- Striping shown is in conjunction with signal; and is to be installed by signal contractor.

#### WELLS & ASSOCIATES, LLC

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McLean, VA 22102  
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170 Jennifer Rd., Suite 260  
Annapolis, MD 21401  
Phone: (410) 266-5723 Fax: (410) 266-9189

#### REVISIONS

#### APPROVALS

Michael Buck 3/16/04  
TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION  
T. J. Richter 3/16/04  
ASST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  
B. R. K. 3-11-04  
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION  
J. H. 3/16/04  
DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION  
Office of Traffic & Safety  
TRAFFIC ENGINEERING DESIGN DIVISION  
TRAFFIC SIGNAL INSTALLATION  
US 29 (GEORGIA AVENUE) / ELLSWORTH DRIVE

DRAWN BY: VLK/WT  
CHECKED BY: LES  
SCALE: 1"=20'  
DATE: 03-04-04

F.A.P. NO. ---  
S.H.A. NO. ---  
COUNTY: MONTGOMERY  
LOG MILE: 15002900.82

TS NO. 4298  
T.I.M.S. NO. 6071

SHEET NO. 1 OF 2

#### UTILITY LEGEND

G — G — GAS MAIN  
W — W — WATER MAIN  
S — S — SEWER MAIN  
E — E — ELECTRIC CABLES  
A — A — AERIAL CABLES  
T — T — TELEPHONE CABLES